

# SEQUENCE LISTING

<110> Friddle, Carl Johan  
Hilbun, Erin  
Gerhardt, Brenda  
Turner, C. Alexander Jr.

<120> Novel Human Ion Channel Protein and Polynucleotides Encoding the Same

<130> LEX-0251-USA

<150> US 60/239,623

<151> 2000-10-10

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1371

<212> DNA

<213> homo sapiens

<400> 1

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<210> 2

<211> 456

<212> PRT

<213> homo sapiens

<400> 2

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Arg Phe Pro	Asp Thr Leu Leu Gly	Asp Pro Ala Arg Arg Gly	Arg Phe
35	40	45	
Tyr Asp Asp	Ala Arg Arg Glu Tyr Phe	Phe Asp Arg His Arg Pro Ser	
50	55	60	
Phe Asp Ala	Val Leu Tyr Tyr Tyr Gln	Ser Gly Gly Arg Leu Arg Arg	
65	70	75	80
Pro Ala His	Val Pro Leu Asp Val Phe	Leu Glu Glu Val Ala Phe Tyr	
85	90	95	
Gly Leu Gly	Ala Ala Ala Leu Ala Arg	Leu Arg Glu Asp Glu Gly Cys	
100	105	110	
Pro Val Pro	Pro Glu Arg Pro Leu Pro	Arg Arg Ala Phe Ala Arg Gln	
115	120	125	
Leu Trp Leu	Leu Phe Glu Phe Pro Glu	Ser Ser Gln Ala Ala Arg Val	
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Leu Ala Val	Val Ser Val Leu Val Ile	Leu Val Ser Ile Val Val Phe	
145	150	155	160
Cys Leu Glu	Thr Leu Pro Asp Phe Arg	Asp Asp Arg Asp Gly Thr Gly	
165	170	175	
Leu Ala Ala	Ala Ala Ala Gly Pro Phe	Pro Ala Arg Leu Asn Gly	
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Ser Ser Gln	Met Pro Gly Asn Pro Pro	Arg Leu Pro Phe Asn Asp Pro	
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Phe Phe Val	Val Glu Thr Leu Cys Ile	Cys Trp Phe Ser Phe Glu Leu	
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245	250	255	
Leu Gly Thr	Glu Leu Ala Arg Gln Arg	Gly Val Gly Gln Gln Ala Met	
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Ser Leu Ala	Ile Leu Arg Val Ile Arg	Leu Val Arg Val Phe Arg Ile	
275	280	285	
Phe Lys Leu	Ser Arg His Ser Lys Gly	Leu Gln Ile Leu Gly Gln Thr	
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Leu Arg Ala	Ser Met Arg Glu Leu Gly	Leu Leu Ile Phe Phe Leu Phe	
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Ile Gly Val	Val Leu Phe Ser Ser Ala	Val Tyr Phe Ala Glu Val Asp	
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Arg Val Asp	Ser His Phe Thr Ser Ile	Pro Glu Ser Phe Trp Trp Ala	
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Val Val Thr	Met Thr Thr Val Gly Tyr	Gly Asp Met Ala Pro Val Thr	
355	360	365	
Val Gly Gly	Lys Ile Val Gly Ser Leu	Cys Ala Ile Ala Gly Val Leu	
370	375	380	
Thr Ile Ser	Leu Pro Val Pro Val Ile	Val Ser Asn Phe Ser Tyr Phe	
385	390	395	400
Tyr His Arg	Glu Thr Glu Gly Glu Glu	Ala Gly Met Phe Ser His Val	
405	410	415	
Asp Met Gln	Pro Cys Gly Pro Leu Glu	Gly Lys Ala Asn Gly Gly Leu	
420	425	430	
Val Asp Gly	Glu Val Pro Glu Leu Pro	Pro Pro Leu Trp Ala Pro Pro	
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Gly Lys His	Leu Val Thr Glu Val		

450

455

&lt;210&gt; 3

&lt;211&gt; 1792

&lt;212&gt; DNA

&lt;213&gt; homo sapiens

&lt;400&gt; 3

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